OM nucleic - nucleic search, using sw model

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GenCore version 4.5

Run on: January 31, 2001, 08:17:05 ; Search time 82.38 Seconds
(without alignments)
4382.120 Million cell updates/sec

Title: US-09-544-776-1
Perfect score: 2240
Sequence: 1 cgtcaccacagtaggtccct........taaaaaaaaaaaaaaaa 2240

Scoring table: IDENTITY_NUC
                Gapop 10.0 , Gapext 1.0

Searched: 280836 seqs, 80580151 residues

Total number of hits satisfying chosen parameters: 561672

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database : Issued_Patents_NA:*
    1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
    2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
    3: /cgn2_6/ptodata/1/ina/6_COMB.seq:*
    4: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
    5: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Match Length	DB	ID	Description
1	682	30.4	799	2	US-08-700-607-2	Sequence 2, Appli
2	213.8	9.5	1095	2	US-09-209-668-10	Sequence 10, Appl
3	196.4	8.8	261	2	US-08-700-607-4	Sequence 4, Appli
4	68.8	3.1	152331	3	US-09-128-155-16	Sequence 16, Appli
5	61.8	2.8	4257	3	US-08-690-473-1	Sequence 1, Appli
6	61.8	2.8	12001	1	US-08-458-568A-11	Sequence 11, Appli
7	61.4	2.7	12001	1	US-08-458-568A-11	Sequence 11, Appli
8	60	2.7	4257	2	US-08-690-473-1	Sequence 1, Appli
9	60	2.7	4897	5	US-5196516-7	Patent No. 5196516
10	60	2.7	8438	1	US-07-945-283-1	Sequence 1, Appli
11	59	2.6	1931	2	US-07-945-283-1	Sequence 2, Appli
12	58.6	2.6	1931	2	US-08-130-114-2	Sequence 2, Appli
13	58	2.6	16442	5	US-08-781-891-208	Sequence 208, Appl
14	57.8	2.6	51259	3	US-08-781-891-209	Sequence 209, App
15	57.4	2.6	2721	5	US-5215881-2	Patent No. 5215881
16					US-08-232-463-14	
17	55.6	2.5	7218	1	US-07-928-611-12	Sequence 12, Appl
18	55.6	2.5	803	1	US-08-487-811A-12	Sequence 12, Appl
19	54.6	2.4	803	2	US-08-487-811A-12	Sequence 12, Appl
20	54.6	2.4	803	4	PCT-US93-07370-12	Sequence 12, Appl
21	54.6	2.4	803	4	PCT-US93-07370-12	Sequence 12, Appl
22	54.6	2.4	1610	1	US-07-928-611-21	Sequence 21, Appl
23	54.6	2.4	1610	1	US-07-928-611-21	Sequence 21, Appl
24	54.6	2.4	1610	2	US-08-487-811A-21	Sequence 21, Appl
25	54.6	2.4	1610	4	PCT-US93-07370-21	Sequence 21, Appl
26	54.4	2.4	1550	2	US-08-609-443B-17	Sequence 17, Appl
27	54	2.4	2301	1		Sequence 23, Appl
28	54	2.4	2301	4		Sequence 23, Appl
29	54	2.4	6453	1	US-08-306-691B-14	Sequence 14, Appl
30	54	2.4	6453	1	US-09-209-668-10	Sequence 10, Appl
31	54	2.4	261	2	US-09-356-952-8	Sequence 8, Appli
32	53.6	2.4	15378	2	US-08-785-420-1	Sequence 1, Appli
33	53.4	2.4	2156	2	US-08-899-514-1	Sequence 1, Appli
34	53	2.4	15378	3	US-08-785-420-1	Sequence 1, Appli
35	52.8	2.4	4060	1	US-08-308-949A-1	Sequence 1, Appli
36	52.4	2.3	2580	2	US-09-050-863-2	Sequence 2, Appli
37	52.4	2.3	5452	2	US-09-130-114-1	Sequence 1, Appli
38	52.4	2.3	10596	1	US-07-884-811-15	Sequence 15, Appl
39	52.4	2.3	10596	1	US-07-885-971-15	Sequence 15, Appl
40	52.4	2.3	10596	1	US-08-087-783A-15	Sequence 15, Appl
41	52.4	2.3	10596	2	US-08-194-088B-15	Sequence 15, Appl
42	52.4	2.3	10596	4	US-08-194-087-15	Sequence 15, Appl
43	52.4	2.3	10596	2	PCT-US93-01648-15	Sequence 15, Appl
44	52.2	2.3	1624	3	US-08-582-740-67	Sequence 67, Appl
45	52.2	2.3	2793	1	US-08-209-747-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-08-700-607-2

Sequence 2, Application US/08700607
Patent No. 5858708
GENERAL INFORMATION:
   APPLICANT: Bandman, Olga
   APPLICANT: Au-Young, Janice
   APPLICANT: Goli, Surya K.
   APPLICANT: Hillman, Jennifer L.
   TITLE OF INVENTION: TWO NOVEL HUMAN NSP-LIKE PROTEINS
   NUMBER OF SEQUENCES: 9
   CORRESPONDENCE ADDRESS:
      ADDRESSEE: Incyte Pharmaceuticals, Inc.
      STREET: 3174 Porter Drive
      CITY: Palo Alto
      STATE: CA
      COUNTRY: U.S.
      ZIP: 94304
   COMPUTER READABLE FORM:
      MEDIUM TYPE: Diskette
      COMPUTER: IBM Compatible
      OPERATING SYSTEM: DOS
      SOFTWARE: FastSEQ Version 1.5
   CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/08/700,607
      FILING DATE: Filed Herewith
   ATTORNEY/AGENT INFORMATION:
      NAME: Billings, Lucy J.
      REGISTRATION NUMBER: 36,749
      REFERENCE/DOCKET NUMBER: PF-0114 US
   TELECOMMUNICATION INFORMATION:
      TELEPHONE: 415-855-0555
      TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 2:
   SEQUENCE CHARACTERISTICS:
      LENGTH: 799 base pairs
      TYPE: nucleic acid
      STRANDEDNESS: single
      TOPOLOGY: linear
   MOLECULE TYPE: cDNA
   IMMEDIATE SOURCE:
      LIBRARY:
      CLONE: Consensus

US-08-700-607-2

Query Match   30.4%; Score 682; DB 2; Length 799;
Best Local Similarity   99.9%; Pred. No. 9.2e-137;
Matches   693; Conservative   0; Mismatches   0; Indels   1; Gaps   1

RESULT 2
US-08-700-607-4
Sequence 4, Application US/08700607
Patent No. 5858708
GENERAL INFORMATION:
    APPLICANT: Bandman, Olga
    APPLICANT: Au-Young, Janice
    APPLICANT: Goli, Surya K.
    APPLICANT: Hillman, Jennifer L.
    TITLE OF INVENTION: TWO NOVEL HUMAN NSP-LIKE PROTEINS
    NUMBER OF SEQUENCES: 9
    CORRESPONDENCE ADDRESS:
        ADDRESSEE: Incyte Pharmaceuticals, Inc.
        STREET: 3174 Portal Drive
        CITY: Palo Alto
        STATE: CA
        COUNTRY: U.S.
        ZIP: 94304
    COMPUTER READABLE FORM:
        MEDIUM TYPE: Diskette
        COMPUTER: IBM Compatible
        OPERATING SYSTEM: DOS
        SOFTWARE: FastSEO Version 1.5
    CURRENT APPLICATION DATA:
        CURRENT APPLICATION NUMBER: US/09/544,776

Db 107 GGTTGTTGACTCCTGTACTGGAGAGACATTAAGAAGACTGGGAGTGGGTGTTTGGTGCCAG 166
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Qy 752 cctattcctgctgcttccattgacagtattgcagcgtaacagcctacattgc 811

Db 167 CCTATTCCTGCTGCTTCATTGACAGTATTCAGCGTAACGGCTACAGCCTACATTGC 226
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Qy 812 cttggccctgctctctgtgaccatcagcttaggatatacaagggtgtgatccaagctat 871

Db 227 CTTGGCCCTGCTCTCTGTGACCATCAGCTTTAGGATATACAAGGGTGTGATCCAAGCTAT 286
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Qy 872 ccagaaatcagatgaaggccaccccattcaggccatactctggaatctggaagttgcta 931

Db 287 CCAGAAATCAGATGAAGGCCACCCCATTCAGGCACATATCTGGAATCTGGAAGTTGCTATATC 346
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Qy 932 tgaggagttggttcagaagtacagcataatttctgctcttggtcatgtgaactgcacgataaa 991

Db 347 TGAGGAGTTGGTTCAGAAGTACAGTAATTCTGCTCTTGGTCATGTGAACTGCACGATATA 406
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Qy 992 ggaactcaggcgcgccctccttcttagttgatgattgatttctgaagtttgcagtgtt 1051

Db 407 GGAACTCAGGCGCGCCCTCTTCTTAGTTGATCATGATTTAGTTGATTCTCTGAAGTTTGCAGTGTT 466
        |||||||||||||||||||||||||||||||||||||||||||||||||
Qy 1052 gatgtgggtgtattaccctatgttggtgcctggtcgactactactgtttggc 1111

Db 467 GATGTGGGTGTATTTACCTATGTTGGTGCCTGGTTCTGACACTACTGATTTTGGC 526
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Qy 1112 tctcattccactcttcagtgttcctgttatttatgaaacgcacaacagatagatca 1171

Db 527 TCTCATTTCACTCTTCAGTGTTCCTGTTATTTATGAAACGCACAGCACAGATAGATCA 586
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Qy 1172 ttatctaggacttgcaaatagaaatgttcaaagatgtcttaaaatcccaagcaaaaat 1231

Db 587 TTATCTAGGACTTGCAAATAGAAATGTTCAAAGATGTTAAAGATGTCTAAAATCCAAGCAAAAAT 646
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Qy 1232 ccctggattgaagcgcaaagctgaatgaaaacgcccaaaataattagtctaggagttcatct 1291

Db 647 CCCTGGATTGAAGCGCAAAGCTGAATGAAAACGCCCAAAATAATTAGTTAGGAGTTCATCT 706
        |||||||||||||||||||||||||||||||||||||||||||||
Qy 1292 ttaaaagggaatattcatttgattataacgggggggaggttcagggaagaacgaaccttgacgt 1351

Db 707 TTAAAAGGGATATTCATTTGATTATACGGGGGAGGTCAGGGAGGTCAGGAAGAACG-ACCTTGACGT 765
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Qy 1352 tgcagtgcagttcacagatcgttgttagatctt 1385

Db 766 TGCAGTGCAGTTCACAGATCGTTGTTAGATCTT 799

FILING DATE: Filed Herewith
ATTORNEY/AGENT INFORMATION:
    NAME: Billings, Lucy J.
    REGISTRATION NUMBER: 36,749
    REFERENCE/DOCKET NUMBER: PF-0114 US
TELECOMMUNICATION INFORMATION:
    TELEPHONE: 415-855-0555
    TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
    LENGTH: 1095 base pairs
    TYPE: nucleic acid
    STRANDEDNESS: single
    TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
    LIBRARY: THP1N0B01
    CLONE: 31870
US-08-700-607-4

Query Match   9.5%;   Score 213.8;   DB 2;   Length 1095;
Best Local Similarity 63.3%;   Pred. No. 6.3e-37;
Matches 323;   Conservative   1;   Mismatches 186;   Indels 0;   Gaps 0;

Qy 649 ccacccggccgcgccaagccgcaggggcctcctccgggtcagtggttgttgacctccgt 708
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Db 288 CCTGCCCCGCCCCTGGGGACGGAAGAGCTGCAGCCTCCTGTGCGGGTGCCACGATCTGATTT 347

Qy 709 actggaggagacatttaagagaaacagaacggaagtggtggttcctgtgccagcgctt 768
        :|| |||||| ||| |||||||| || |||||||||||||||||||||
Db 348 TMTGGAGATGTGAAGAAGACTGGGGTTTGTCTTTGGCACCACGGTCATTGATCATGCTCGTTT 407

Qy 769 cattgacagtattccagccatgtgaagcgtacagccctacattggccctgctctctg 828
        |||| | ||||||| ||||||||||||||||||| ||||||||||||||
Db 408 CCCTGGCCAGCGCTTTCAGTGTCATCAGTGTGGTTTCTTACCTCATCATCCTGGCGTCTCTG 467

Qy 829 tgaccatcagcttaggatatacaagggtgtgatccaagctcatccagaaatcagatgaag 888
        |||||||||||||||||||||||||||| |||||||| ||||||||||||
Db 468 TCACCATCAGCTTCAGGATATACAAGTCGTCATCCAAGCTGTACAGAACTCAGAAGAAG 527

Qy 889 gccaccccattcaggcacatatctgaatctggaatctggaagttgctatatctgaggagtggttcaga 948
        ||||||| |||||||||||| ||||| ||||||||||||||||
Db 528 GCCATCCATTCAAAAGCCTACCTGACGTAGACAATTACTCTGTCTCCAGAAGCTTTCCATA 587

Qy 949 agtacagtaattctgctcttggtcaatgtgaactgcacgataaaggaactcaaggcggcccct 1008
        |||||||||||||||||| ||||| |||||||| ||| |||
Db 588 ATTACATGAAATGCTGCCATGGTGCCACATCAACACAGGGCCCTGAAACTCATTATTCGTCTCT 647

Qy 1009 tcttagttgatgattgattctctgaagttgcagtgtcgatgtggggtgtattacct 1068
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Db 648 TTCTGGTTAGAAGATCTGTTGCACTCGTTGCACTTGGCTCTTCATGTGGCTCATGACCT 707

Qy 1069 atgttggttgcctttgtttaatgttctgacacta(t)tgtttttgggtctcctccctttcactctttcca 1128
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Db 708 AYCTTGGTGTTGTGCCTCGTTTTTTAACCGAATCACXXTCAAYTCAATTGTGAACTGTCGCATTTTNA 767

RESULT 3
US-08-700-607-9
Sequence 9, Application US/08700607
Patent No. 5858708
GENERAL INFORMATION:
    APPLICANT: Bandman, Olga
    APPLICANT: Au-Young, Janice
    APPLICANT: Goli, Surya K.
    APPLICANT: Hillman, Jennifer L.
    TITLE OF INVENTION: TWO NOVEL HUMAN NSP-LIKE PROTEINS
    NUMBER OF SEQUENCES: 9

Qy 1129 gtgttcctgtgtattatgaacgcatcagg 1158
        |||| ||||||||||| ||||||||| |||
Db 768 GTGTTCCTATTTTNTATNAAACTACAAGG 797

2/3,K/1   (Item 1 from file: 357)

0261011 DBA Accession No.: 2001-01526   PATENT
**Novel protein associated with cell stress response useful for modulating
    stress levels, cell growth, diagnosis and treatment of cancer and
    malignant growth and for identifying agonists and antagonists- *Nogo*-
    B protein gene useful for gene therapy**
AUTHOR: Wei D; Halenbeck R; Williams L T
CORPORATE SOURCE: Emeryville, CA, USA.
PATENT ASSIGNEE: Chiron 2000
PATENT NUMBER: WO 200060083 PATENT DATE: 20001012 WPI ACCESSION NO.:
    2000-665007 (2064)
PRIORITY APPLIC. NO.: US 140331 APPLIC. DATE: 19990621
NATIONAL APPLIC. NO.: WO 2000US9383 APPLIC. DATE: 20000407
LANGUAGE: English

- *Nogo*-*B* protein gene useful for gene therapy
ABSTRACT: A new isolated stress-phosphorylated endoplasmic reticulum
    protein, *Nogo*-*B* (I) is claimed. (I) contains a 373 residue amino
    acid sequence (S1), fully defined or a disclosed sequence, where the
    fragments are joined by peptide...

... of (I); an isolated antibody which binds to (I); an epitope-bearing
    portion   of   (I);   a composition containing (I); inhibiting (V);
    decreasing the activity of *Nogo*-*B* in a cell by phosphorylating
    Nogo-*B*; and inhibiting the activity of *Nogo*-*B* in cell by
    treating the cell with an antisense oligonucleotide or ribozyme. *Nogo*
    -*B* protein and polynucleotides are useful for modulating stress
    levels and cellular stress-response, cell growth and viability,
    diagnosis and treatment of cancer, malignant growth and other *Nogo*-
    B related diseases. *Nogo*-*B* proteins are also useful to screen
    combinatorial libraries to identify agonist or antagonist. (68pp)
DESCRIPTORS: human recombinant stress-phosphorylated endoplasmic reticulum
    protein *Nogo*-*B* prep., antibody, phosphorylation, vector expression
    in host cell, appl. stress-level, cellular stress-response, cell
    growth, viability modulation, cancer, malignant growth, diagnosis,
    therapy, gene therapy...

2/3,K/2   (Item 1 from file: 399)

133277202   CA: 133(20)277202b   PATENT
**Protein and cDNA sequences of a novel human endoplasmic reticulum protein
Nogo B associated with cell stress response**
    INVENTOR(AUTHOR): Wei, Dong; Halenbeck, Robert; Williams, Lewis T.
    LOCATION: USA
    ASSIGNEE: Chiron Corp.
    PATENT: PCT International ; WO 200060083 A1 DATE: 20001012
    APPLICATION: WO 2000US9383 (20000407) *US PV128372 (19990408) *US
PV140331 (19990621)
    PAGES: 68 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-015/12A;
C12N-005/10B; C07K-014/47B; C07K-016/18B; A61K-038/17B; A61K-031/70B
    DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA;
CH; CN; CR; CU; CZ; DE; DK; DM; DZ; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU;
ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD;
MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM;
TR; TT; TZ; UA; UG; UZ; VN; YU; ZA; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM
    DESIGNATED REGIONAL: GH; GM; KE; LS; MW; SD; SL; SZ; TZ; UG; ZW; AT; BE;

CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF;
CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG

2/3,K/3   (Item 2 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2001 AMERICAN CHEMICAL SOCIETY. All rts. reserv.

133027368   CA: 133(3)27368c   PATENT
 Nucleotide and protein sequences of Nogo genes and their uses in
diagnosis and therapy of nervous system disorders
   INVENTOR(AUTHOR): Schwab, Martin E.; Chen, Maio S.
   LOCATION: Switz.
   PATENT: PCT International ; WO 200031235 A2 DATE: 20000602
   APPLICATION: WO 99US26160 (19991105) *US PV107446 (19981106)
   PAGES: 122 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-000/A
   DESIGNATED COUNTRIES: AE; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH;
CN; CR; CU; CZ; DE; DK; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN;
IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN;
MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; UA;
UG; US; UZ; VN; YU; ZA; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM
   DESIGNATED REGIONAL: GH; GM; KE; LS; MW; SD; SL; SZ; TZ; UG; ZW; AT; BE;
CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF;
CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG

 2/3,K/4   (Item 3 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2001 AMERICAN CHEMICAL SOCIETY. All rts. reserv.

132277085   CA: 132(21)277085v   JOURNAL
 Nogo-A is a myelin-associated neurite outgrowth inhibitor and an antigen
for monoclonal antibody IN-1
   AUTHOR(S): Chen, Malo S.; Huber, Andrea B.; van der Haar, Marjan E.;
Frank, Marcus; Schnell, Lisa; Spillmann, Adrian A.; Christ, Franziska;
Schwab, Martin E.
   LOCATION: Brain Research Institute, Department of Neuromorphology,
University of Zurich and Swiss Federal Institute of Technology Zurich, 8057
, Zurich, Switz.
   JOURNAL: Nature (London) DATE: 2000 VOLUME: 403 NUMBER: 6768 PAGES:
434-439 CODEN: NATUAS ISSN: 0028-0836 LANGUAGE: English PUBLISHER:
Nature Publishing Group
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